"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, TAMARA K.

Vitamin C and apparent vitamin C in cabbage (Brassica oleracea capitata) during storage. Aleksandar F. Damanski and Tamara K. Marić. *Acta Pharm. Jugoslav.* 5, 123-7 (1955). The content of L-ascorbic acid (I) in white cabbage, not damaged by frost, decreased proportionally until the end of February; at that time it contained 36% of the total value measured before storage in Nov. During March I rapidly increased and reached a value 55% higher than when stored. Cabbage damaged by frost rapidly lost its I in the first month of storage, the content being about 10% of the total value in normal samples. Damaged cabbage did not show the normal increase of I. Blooming is therefore conditioned by the capacity of cabbage to produce I. While the content of strong reducing materials of undamaged heads in the period of storage remains more or less the same, and in the phase of blossom reaches a level over 300% coinciding with the increase of I, the content of these compds. in the damaged cabbage is substantially lower. Consequently the content of products of reduction is substantially higher in undamaged heads than in those damaged. B. Vuckovic

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Tamara K.
DAMANSKI, Aleksandar F.; MARIC, Tamara K.

The formation of l-ascorbic acid in potato tuber (Solanum tuberosum)
Acta pharm. jugosl. 4 no.2:45-51 1954.

1. Institut za bromatologiju, Farmaceutski fakultet, Beograd i Higijenski zavod, Novi Sad.
(VITAMIN C
in potatoes, determ.)
(POTATOES
vitamin C content)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Tamara, ing.; PUJIN, Vlasta

Degree of pollution of certain watercourses in Vojvodina. Zbor prir Mat srp no.21:39-73 '61.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, T.

"Physicochemical analysis of waters of the Danube and Tisa Rivers", p. 281(Glasnik, Vol. 17, no. 5, 1952, Beograd)

Vol. 2, No 9

SO: Monthly List of East European Accessions, Library of Congress, September 1953, Uncl.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

SIMIC, Vojislav S.; KOSTIC, Aleksandar; MARIC, Svetislav

Geologic aspects of the source area of the Pcinja River. Glas Prir muz A 18:3-15 '63.

1. Submitted September 17, 1963.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

KNEZEVIC, Zvonko; PUJIC, Zdravko; MARIC, Stjepan

Determination of Zr-85, Ru-106, Cs-137, and Ce-144 in the [illegible] gamma spectra of their mixtures by applying simultaneous equations. Glasnik hemicara 12:81-88 '63.

1. Chemical Institute of the Faculty of Natural Sciences and Mathematics, Sarajevo (for Knezevic). 2. Institute of Biochemistry and Physiology of the Faculty of Medicine, Sarajevo (for Pujic). 3. Institute of Hygiene and Social Medicine, Sarajevo (for Maric).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, SAVO

Turisticka mesta FNRJ. (Beograd) Putnik (195-) 96 p. (Tourist resorts of Yugoslavia. illus.)

SOURCE: East European Accessions List, (EEAL), Library of Congress Vol. 5, No. 6, June 1956

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

ACC NR: AP6029584 SOURCE CODE: YU/0015/65/000/08-/0218/0220

AUTHOR: Milojcic, Bozena (Professor; Doctor); Krajinovic, Slobodan (Docent; Doctor); Udicki, Slavka (Docent; Doctor); Sokic, Slobodanka (Doctor); Nastasovic, Milena (Doctor); Maric, Radmila (Doctor); Obradovic, Mirjana (Doctor)

ORG: Department of Epidemiology, Medical Faculty/headed by Professor, Doctor B. Milojcic/, Belgrade (Epidemioloski institut Medicinskog fakulteta)

TITLE: Effect of collective immunity on spontaneous circulation of the diphtheria pathogen

SOURCE: Medicinski glasnik, no. 8-9, 1965, 218-220

TOPIC TAGS: public health, respiratory system disease, immunology, bacterial disease

ABSTRACT: Data show that it is only the severely toxic strain of Corynebacterium diphtheriae that has been reduced in incidence by vaccinations and antibiotics; the less virulent strains are as widespread as they ever were; this brings up many questions as to true condition of public health safety in this important area. Doctor R. Novicic, V. Miljkovic, Senior Medical Technician, and M. Subarevic, Medical Technician participated in this work. Orig. art. has: 1 table. [JPRS: 36,599]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005

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YUGOSLAVIA

MILOJCIC, Bozena; SOKIC, Slobodanka; MARIC, Radmila; NASTASOVIC, Milena; OBRADOVIC, Mirjana, Krajinovic, Slobodan; and UDICKI, Slavka, Department of Epidemiology of Medical Faculty of the University (Epidemiološki institut Medicinskog fakulteta Universiteta), Head (Upravnik) Prof. Dr. Bozena MILOJCIC; Belgrade

"Patterns of Diphtheria Carrier States in Vaccinated Children"

Belgrade, Srpski Arhiv za Celokupno Lekarstvo. Vol 94, No 2; 1966; pp 109-111

Abstract: [English summary modified] Despite obligatory vaccinations since 1952, continuous sporadic cases of diphtheria among Yugoslav children show poor state of immunity among 576 children examined with 3886 throat swabs; 14 carriers were found, also 6 adult ones. All strains of Corynebacterium diphtheriae were represented. 7 tables, 1 Yugoslav reference. Manuscript received 9 Nov 65.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MILOJCIC, Bozena, prof. dr.; KRAJINOVIC, Slobodan, doc. dr.; UDICKI, Slavka, doc. dr.; SOKIC, Slobodanka, dr.; NASTASOVIC, Milena, dr.; MARIC, Radmila; OBRADOVIC, Mirjana, dr.

Role of collective immunity to spontaneously occurring diphtherial pathogens. Med. glas. 19 no.8/9:218-220 Ag-S '65.

1. Epidemioloski institut Medicinskog fakulteta u Beogradu (Upravnik: prof. dr. B. Milojcic).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, R.

Dr. Veslin Cajkanovic (Mar. 28, 1881-Aug. 6, 1946). p. 67.
(GLASNIK. Vol. 2/3, 1953/54 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

ANTIC, Milovan, sanitetski pukovnik, docent. dr.; KONSTANTINOVIC, Ivan, dr; KUSIC, Radivoje, sanitetski kapetan I klase; MARIC, Mihailo, sanitetski poručnik, dr.

Evaluation of the diagnostic value of the I-131 fixation test in thyroid diseases. Vojnosanit. pregl. 21 no.9:533-539 S '64

1. Vojnomedicinska akademija u Beogradu, Klinika za unutrasnje bolesti.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Mihailo D., student medicine

Changes in the skin produced by ionizing radiations. Voj.san.pregl. 18 no.3:249-257 Mr '61.

1. Medicinski fakultet u Beogradu, Institut za medicinu rada - Odeljenje za zastitu od jonizirajucih zracenja.

(RADIATION INJURY case reports)
(SKIN radiation eff)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

COUNTRY : YUGOSLAVIA H
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Electrochemical Industries. *
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61478

AUTHOR : Maric, M.
INSTITUTE : -
TITLE : Standard Testing Method of Galvanic Platings. Part II.
ORIG. PUB. : Zast. mater., 1958, 6, No 9, 367-369

ABSTRACT : Review of the standards. Bibliography covers 39 titles. For Part I see Ref. Zhur.- Khimiya, 1959, No 12, 43015

*Electroplating. Galvanic Cells.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

YUGOSLAVIA / Chemical Technology. Chemical Products and Their Application. Electrochemical Industries. Electroplating. Galvanic Cells. H

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43015.

Author : Maric M.
Inst : Not given.
Title : Standard Methods of Testing Metal Platings.

Orig Pub: Zast. mater., 1958, 6, No 7, 300-303.

Abstract: Standard methods of determining physical, chemical, and mechanical properties of electroplatings (thickness, porosity, corrosion resistance, surface roughness) are described.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, M.

First Yugoslav standard for processing naphtha. p. 79. (S[illegible], No. 5, May 1954, Beograd, Yugoslavia)

So: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 1 Jan. 1, 55, Incl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, M

"Heterosis in Science and Practice", p. 75 (NAUKA I PRIRODA) Vol.6, No. 2, 1953
Beōgrad, Yugoslavia

SO: Monthly List of East European Accessions L. C. Vol. 3, No. 4, April 1954

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, M.

Results of the test with wheat in Bulinjak, government-owned property near Svilajnac. p. 39.
POLJOPRIVREDA, Beograd, Vol. 2, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Luka, dr.

Petrographic provinces and metallogeny in the region of Ras Torombi, Egypt. Geol vjes Hrv 15 no.2:501-515 '61 [publ. '63].

1. Institute of Mineralogy, Petrology and Ore Deposits, Technological Faculty, and "Geoistrazivanja", Zagreb.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Luka, dr.

Mineral facies in metamorphic rocks of Medvedica, the Zagreb Mountain. Geol vjes Hrv 12:205-218 '58 (published '59) (EEAI 9:6)

1. Referent, Geoloski vjesnik. 2. Institute of Mineralogy, Petrology and Ore Deposits, Technological Faculty, University of Zagreb.
(Croatia-- Minerals)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIĆ, I.

"Wolfram in Yugoslavia." p. 289. (Priroda, Vol. 40, no. 8, Oct. 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, Feb. 1954, Uncl.

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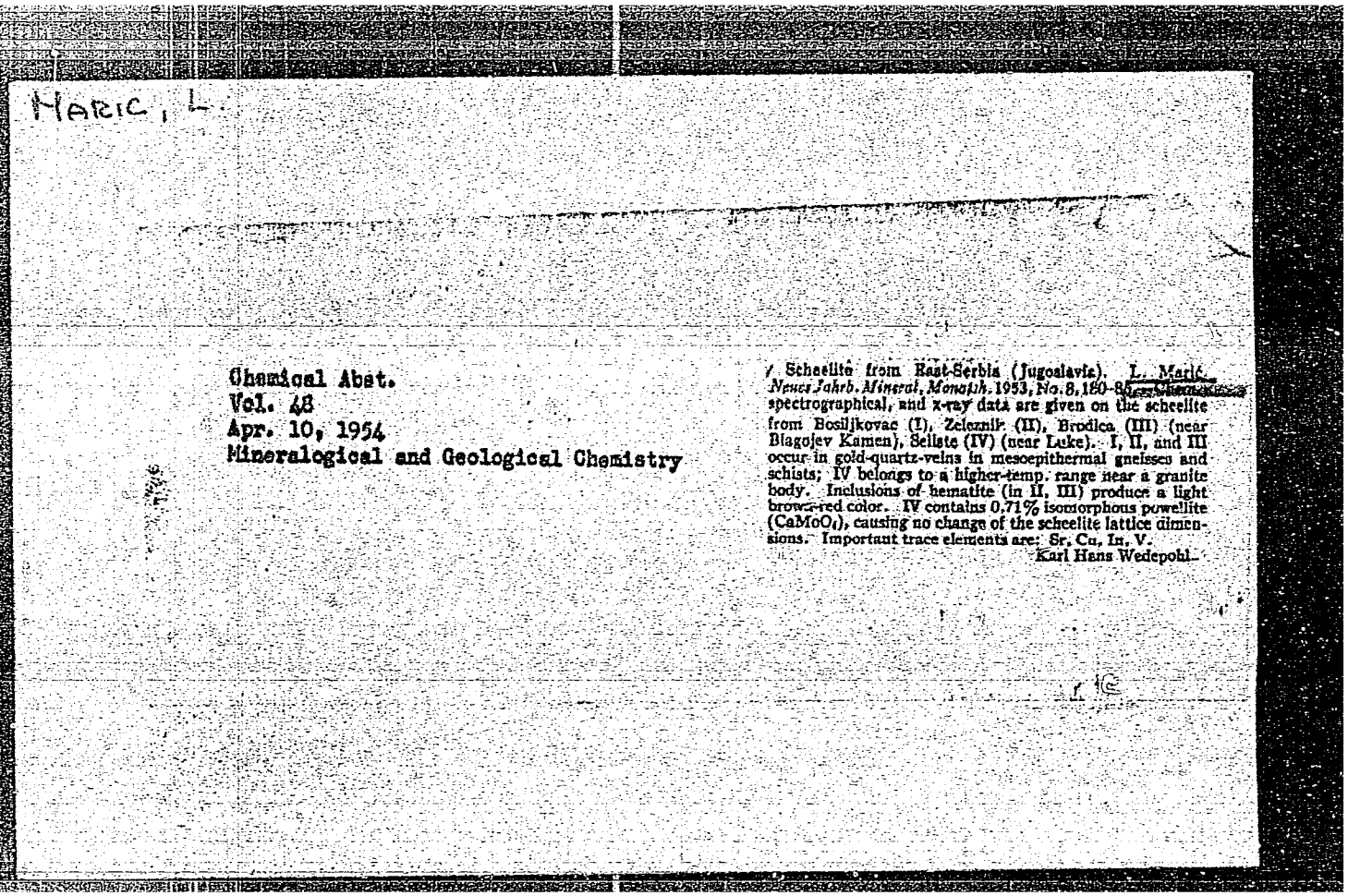

Haric, L.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Mineralogical and Geological Chemistry

Scheelite from East-Serbia (Jugoslavia). L. Marić. *Neues Jahrb. Mineral., Monatsh.* 1953, No. 8, 180-8. Chemical, spectrographical, and x-ray data are given on the scheelite from Bosiljkovac (I), Zelenik (II), Brodica (III) (near Blagojev Kamen), Selište (IV) (near Luke). I, II, and III occur in gold-quartz-veins in mesoepithermal gneisses and schists; IV belongs to a higher-temp. range near a granite body. Inclusions of hematite (in II, III) produce a light brown-red color. IV contains 0.71% isomorphous powellite ($CaMoO_4$), causing no change of the scheelite lattice dimensions. Important trace elements are: Sr, Cu, In, V.
Karl Hans Wedepohl

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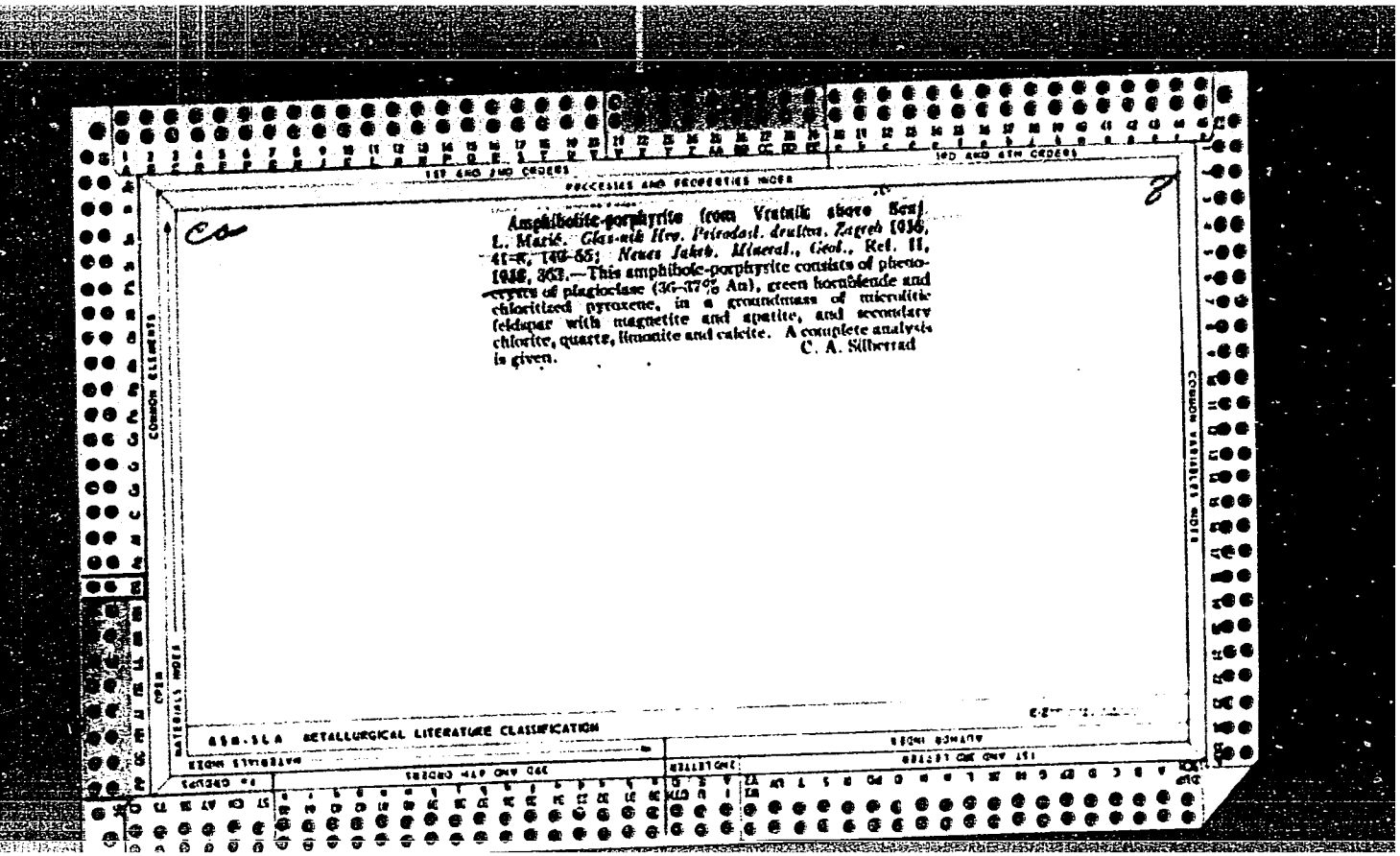

Amphibolite-porphyrite from Vratnik above Kerestinec. L. Marić. *Glas. mlk Hrv. Prirodosl. društva, Zagreb* [49]6, 41–8, 149–55; *Neues Jahrb. Mineral., Geol.*, Ref. II, 1948, 363.—This amphibole-porphyrite consists of phenocrysts of plagioclase (36–37% An), green hornblende and chloritized pyroxene, in a groundmass of microlitic feldspar with magnetite and apatite, and secondary chlorite, quartz, limonite and calcite. A complete analysis is given. C. A. Silberrad

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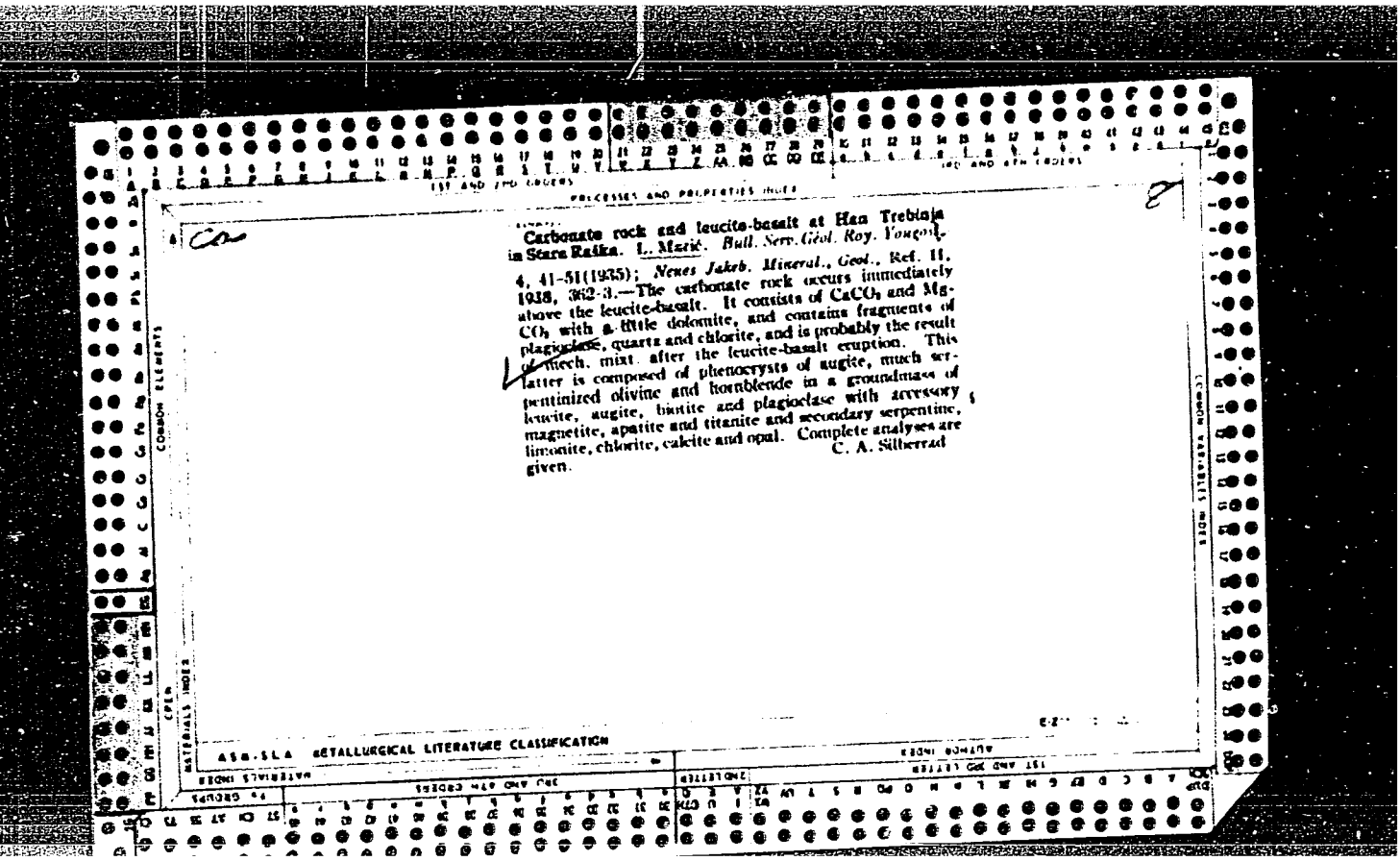

Carbonate rock and leucite-basalt at Han Trebinja in Stara Raška. L. Marić. *Bull. Serv. Géol. Roy. Yougosl.* 4, 41–51(1935); *Neues Jahrb. Mineral., Geol.*, Ref. II, 1938, 362–3.—The carbonate rock occurs immediately above the leucite-basalt. It consists of $CaCO_3$ and $MgCO_3$ with a little dolomite, and contains fragments of plagioclase, quartz and chlorite, and is probably the result of mech. mixt. after the leucite-basalt eruption. This latter is composed of phenocrysts of augite, much serpentinized olivine and hornblende in a groundmass of leucite, augite, biotite and plagioclase with accessory magnetite, apatite and titanite and secondary serpentine, limonite, chlorite, calcite and opal. Complete analyses are given.

C. A. Silberrad

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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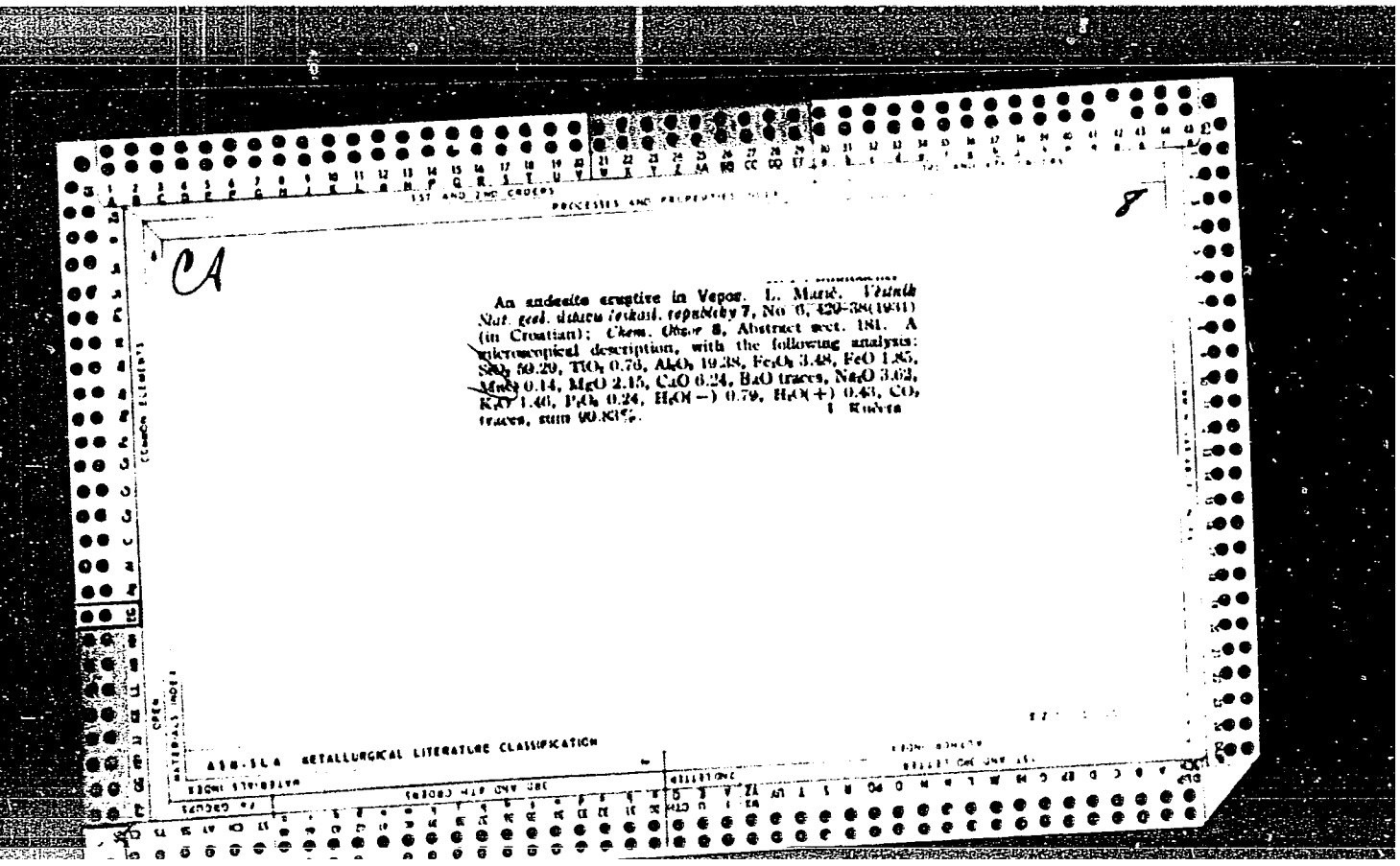

CA

8

An andesite eruptive in Vepor. L. Marić. *Vjesnik Nat. geol. dražav. geološk. repubblicy* 7, No 6, 429-38(1951) (in Croatian); *Chem. Obzor* 8, Abstract sect. 181. A petrographical description, with the following analysis: SiO_2 60.29, TiO_2 0.76, Al_2O_3 19.38, Fe_2O_3 3.48, FeO 1.85, MnO 0.14, MgO 2.15, CaO 0.24, BaO traces, Na_2O 3.62, K_2O 1.40, P_2O_5 0.24, $H_2O(-)$ 0.79, $H_2O(+)$ 0.45, CO, traces, sum 99.81%.

I. Kušvra

A56-SL4 METALLURGICAL LITERATURE CLASSIFICATION

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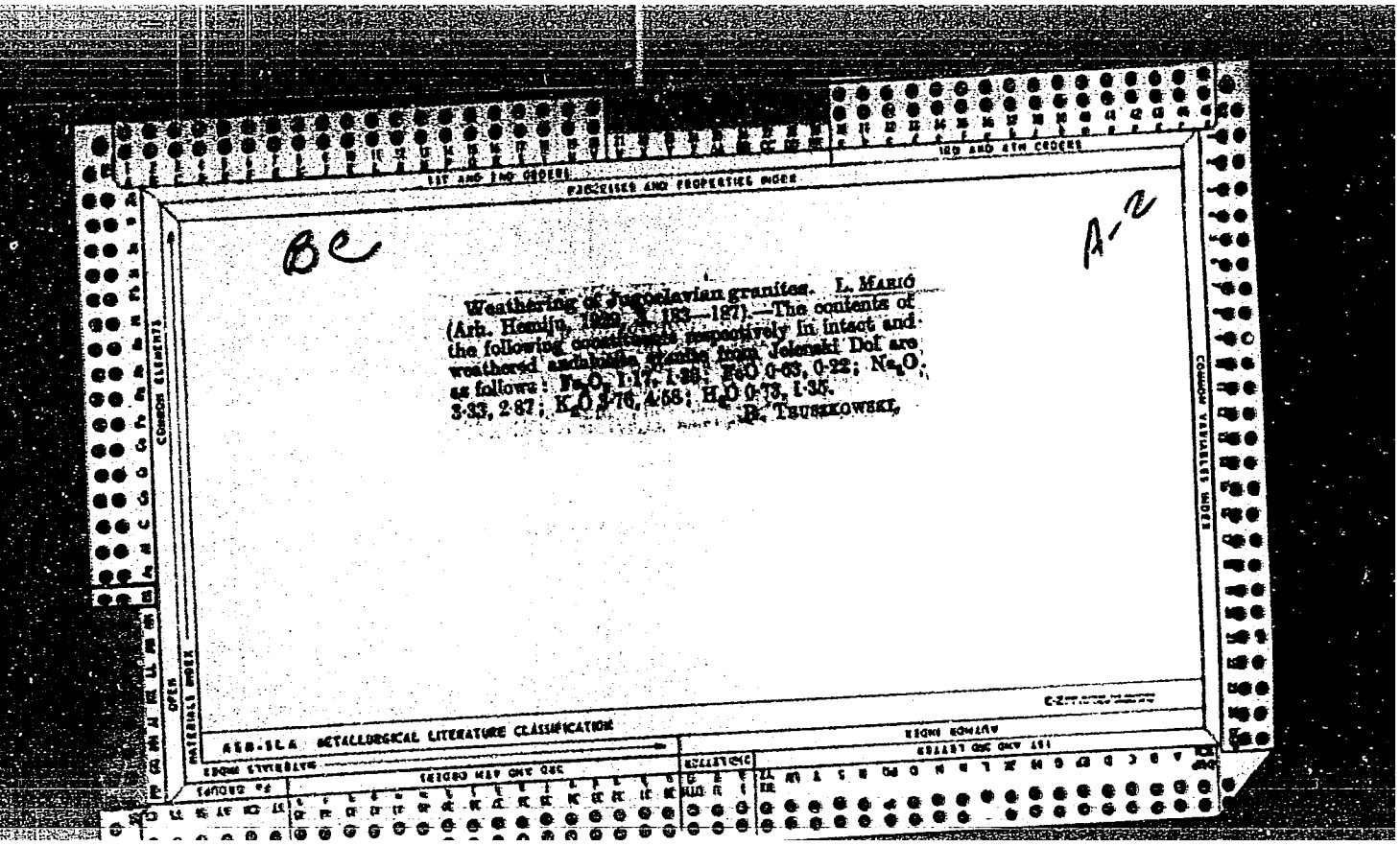

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A-2

Weathering of Jugoslavian granites. L. Marić (Arh. Hemiji, 1960, [illegible], 183—187).—The contents of the following constituents respectively in intact and weathered andesite samples from Jelenski Dol are as follows: Fe_2O_3 1·17, 1·48; FeO 0·63, 0·22; Na_2O, 3·33, 2·87; K_2O 2·76, 4·58; H_2O 0·73, 1·35.

—R. Truszkowski.

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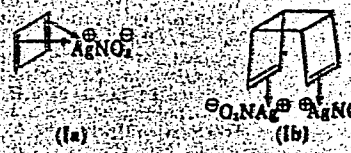
"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

Studies in the cyclobutane series. IV. A silver nitrate complex $C_8H_8.AgNO_3$. Margarete Avram, Elise Marica, and Costin D. Nenitzescu (Acad. R.P.R., Bucarest, Romania). *Chem. Ber.* 92, 1088-91(1969); cf. *C.A.* 52, 18335g.—The elimination of Br from 1,2,3,4-tetrabromocyclobutane (I) with Li-Hg yielded an unstable Hg deriv. which with $AgNO_3$ gave a cryst. complex having the structure Ia or Ib. Cyclooctatetraene dibromide oxidized in Me_2CO with $KMnO_4$ at −5° by the method of Cope and Burg (*C.A.* 47, 6926f) gave 43% *3,4-dibromocyclobutane-cis-1,2-dicarboxylic acid* (II), m. 191–2° (Et_2O-petr. ether). II



(Ia) (Ib)

(41.2 g.) in 100 cc. H_2O adjusted with 3% aq. KOH to pH 7, treated dropwise with stirring with 46.5 $AgNO_3$ in 900 cc. H_2O, and the ppt. filtered off rapidly, washed with H_2O, EtOH, and Et_2O, and dried 24 hrs. in the dark over P_2O_5 gave 64 g. *Ag salt* (III) of II. III (40 g.) and 500 cc. CCl_4 refluxed with the slow removal of 30–40 cc. CCl_4 through the condenser, the residue cooled, treated with 8.1 cc. Br, heated briefly on the water bath, refluxed 15 min., cooled, filtered, washed, dried, and evapd., and the residue (9.15 g.) dissolved in dry Et_2O, kept 24 hrs. over K_2CO_3, and evapd. gave I, b$_{12}$ 115–20°, m. 104° (MeOH or petr. ether). I (1.37 g.) and 42 g. 0.5% Li-Hg shaken 15–20 hrs. at room temp. with 35 cc. abs. Et_2O, the Et_2O layer decanted, the Hg sludge washed with Et_2O, the combined exts. washed, dried, and evapd. under N gave a pale yellow oil with an acrid, characteristic odor, decomp. about 60°. The Et_2O soln. from a similar run shaken 1–2 min. with satd. aq. $AgNO_3$ and filtered, and the residue (0.52 g.) washed with Et_2O and recrystd. from EtOH gave Ia-Ib, m. 140°. Ia-Ib (0.22 g.) treated under CO_2 with dil. NH_4OH gave 0.2 cc. gas. Ia-Ib (0.52 g.) powdered and added gradually to Br in CH_2Cl_2, and the mixt. filtered, washed, dried, and evapd. gave 0.1 g. oil, contg. 42.3% Br and 7.15% N, which decompd. on attempted distn. *in vacuo*. The formation of cyclobutadiene which existed for short periods of time in the gaseous state was demonstrated by treating Ia-Ib with a small amt. of steam and sweeping with air through Ascarite and $Mg(ClO_4)_2$ to give a gas which formed Ia-Ib with $AgNO_3$ soln.

F. W. Hoffmann

5
2-May
4E2c

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YUGOSLAVIA

NEDELJKOVIC, Srecko, Dr.; ANIC, Desanka, Dr.; STOJANOVIC, Gradomir, Dr.: Department B of Internal Medicine, Faculty of Medicine, University of Belgrade(Head: Prof. B.KOVIC, Radivoje, Dr.) (Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu; Upravnik: prof. BEROVIC, Radivoje, Dr.), Belgrade.

"Electrocardiographic Findings in the Diagnosis of Infarct of the Myocardium. According to the Criteria of the WHO and the Minnessota Codex"

Belgrade, Srpski arhiv za celokupno lekarstvo, Vol 93, No 12, 1965, pp 1089-1102

Abstract /Authors' English summary modified/: The purpose of this analysis (carried out on 385 patients) was to ensure the correctness of the criteria established by the WHO and the Minnessota Codex (MC) for the diagnosis of myocardial infarct. According to WHO criteria, the authors found that 57% of the patients fulfilled conditions for "probable infarct of the myocardium," 26% for "possible infarct," and 17% remained unidentified. According to the MC, infarct diagnosis can be made only in cases with a distinctive Q-wave. Both these methods indicate the difficulty of electrocardiographic diagnosis of infarct and the relatively high percent of false positive and negative diagnoses. 7 Western references. Manuscript received 1 Sep 65.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Desanka, dr. (Beograd)

Role of anticoagulant therapy in the treatment of cerebro-vascular diseases. Med. glas. 18 no.8:219-272 Ag '64

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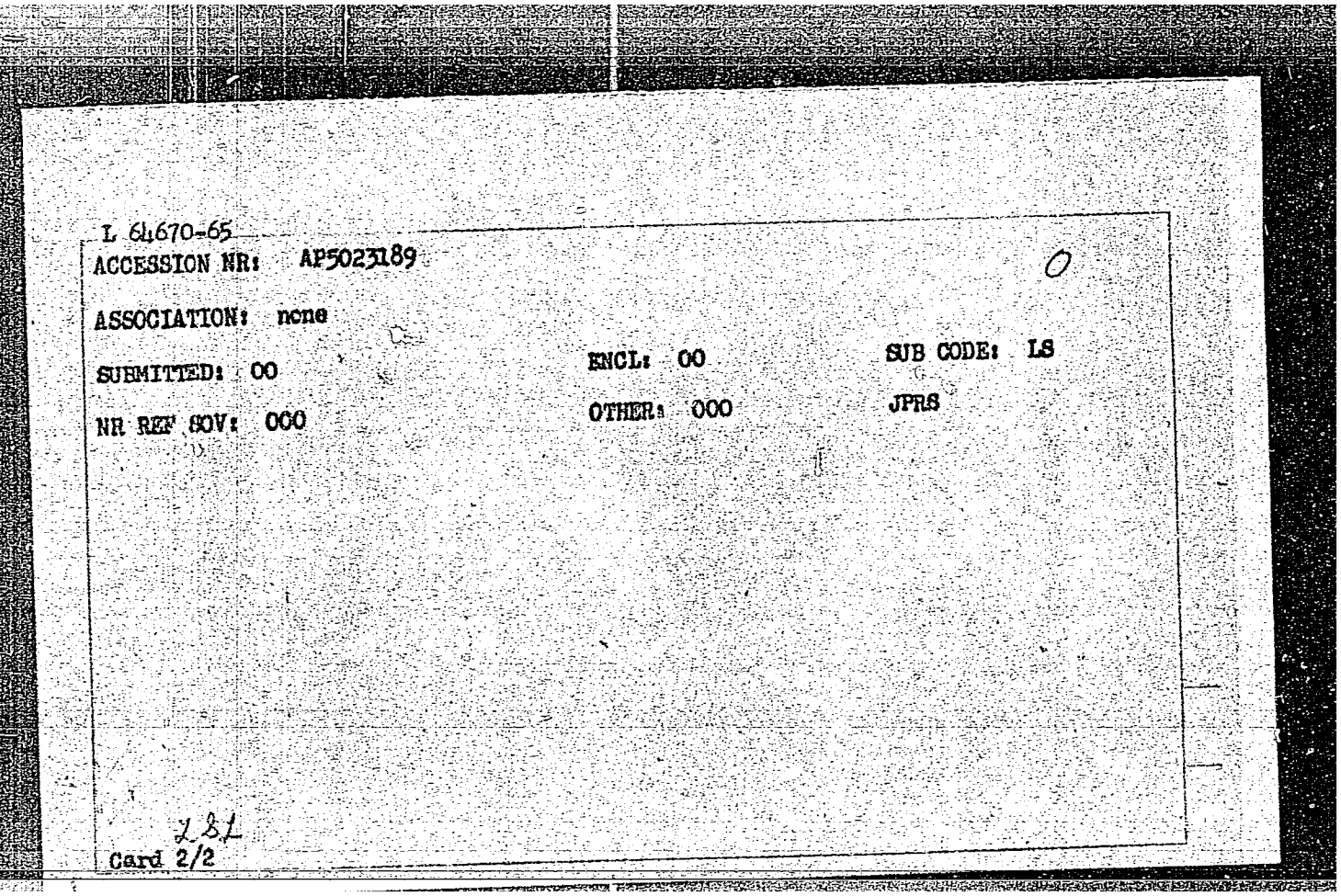

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ACCESSION NR: AP5023189 O

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: LS

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 64670-65

ACCESSION NR: AP5023189 YU/0015/64/000/008/0215/0217

AUTHOR: Berovic, Radivoje (Professor, Doctor); Mihailovic, Vera (Doctor); Maric, Desanka (Doctor); Knezevic, Svetozar (Doctor) 16 B

TITLE: Experiences with anticoagulant treatment of acute myocardial infarction

SOURCE: Medicinski glasnik, no. 8, 1964, 215-217

TOPIC TAGS: circulatory drug, circulatory system disease

ABSTRACT: Data obtained from analysis of case histories of 200 patients hospitalized between the years 1956 and 1962 because of acute myocardial infarction are given. The very low index of deaths is yet similar to that which had been noted in untreated patients (no control in this study) and this observation weakens the rationale for using these drugs in the light types of cases. The clinical material is discussed and presented in 5 tables showing ages, occupations, number and type of complications and mortality (4 of 172 light cases and 10 of 28 severe cases). Orig. art. has: 5 tables.

Card 1/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MIHAILOVIC, Vera, dr.; MARIC, Desanka, dr.

Anticoagulant therapy of acute myocardial infarct. Med. glas. 18 no.8:213-215 Ag '64

1. Interna klinika B Medicinskog fakulteta u Beogradu (Upravnik: prof. dr. R.Berovic).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Branislav

The mutual inclusion of S^{α}, S^{β} methods of summation. Publ Inst math SANU 2(16):93-98 '62 [publ. '63].

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

YUGOSLAVIA/Forestry - Forest Crops. K.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68029

In another case the aspens acquired from the branches in water culture were pollinated with aspen pollen, and pot specimens acquired by grafting P. bachofeni on natural white poplar seedlings were pollinated with white poplar. P. bachofeni x white poplar and P. bachofeni x aspen hybrid seeds were acquired. Seeds of the first and second variants were sown in deep Petri bowls in a mixture of humus and sand; they gave shoots on the next day. In March the seedlings were transplanted to a greenhouse. -- I.A. Bashkirov

Card 2/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

K.

YUGOSLOVIA/Forestry - Forest Crops.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 68029

Author : Maric, Branislav; Jovanovic, Milutin

Inst :

Title : Developing Poplar Seeds in a Water Culture and from Pot Specimens.

Orig Pub : Shumarstvo, 1957, 10, No 5-6, 351-357.

Abstract : The experiments were done in the winter of 1956-1957 in the laboratory of the Scientific Research Forestry Institute of Serbia and in the greenhouses of the forestry department in Belgrade. In one case branches with floral buds were immersed in water. Flowers of Populus bachofeni were pollinated with aspen and white poplar pollen. Aspen blossoms on branches in water culture were pollinated with aspen and white poplar pollen. After 15 days aspen x aspen and aspen x white poplar seeds were acquired. Pollination of P. bachofeni did not give any results.

Card.1/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, B.

Man, friend, worker. p. 218.
Fiftieth anniversary of the scientific work of academician Maksimilijan Samec. p. 218.,(KEMIJA U INDUSTRIJI, Vol. 3, no. 8, Aug, 1954, Zagreb, Yugoslavia)

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 1 Jan. 1955, Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Ante, Dr., Srebrenica-Guber

Malaria relapse in anemic convalescents caused during pereral therapy with iron-arsenic Guber water. Med. arh., Sarajevo 9 no.1:31-36 Jan-Feb 55.

1. Balneoloski institutu Ilidza-Sarajevo, sef-ljekar Doc. Dr. Marko Cigiar, Ljeciliste Guber Srebrenica, banjski ljekar Dr. Ante Maric.

(ANEMIA, HYPOCHROMIC, ther.
mineral water containing iron & arsenic, causing malaria relapse. (Ser))
(MALARIA,
relapse, caused by iron-arsenic mineral water in ther. of hypochromic anemia. (Ser))
(MINERAL WATER,
iron-arsenic Guber water, ther. of hypochromic anemia, causing malaria relapse. (Ser))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, Adam, dr.

Some seedling and root fungus diseases of sugar beets in Backa. Zbor prir Mat srp 24:37-90 '63.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, A.; CIGLAR, M.

The effect of mineral water Guber, containing iron and arsenicals, on reticulocytic crisis, hemoglobin content and the number of erythrocytes. Med. pregl., Novi Sad 8 no.2-3:112-115 1955.

1. Leciste "Guber" Srebrenica i Institut za balneologiju i medicinsku klimatologiju Medicinskog fakulteta Sarajevo.

(RETICULOENDOTHELIAL SYSTEM, physiol.
reticulocyte decrease after intake of mineral water containing iron & arsenicals, human & animal exper. (Ser))
(HEMOGLOBIN, in various dis.
anemia, eff. of mineral water containing iron & arsenicals, human & animal exper. (Ser))
(ERYTHROCYTES, in various dis.
anemia, eff. of mineral water containing iron & arsenicals, human & animal exper. (Ser))
(ANEMIA, ther.
mineral water containing iron & arsenicals, eff. on reticulocytes, hemoglobin content & number of erythrocytes, human & animal exper. (Ser))
(MINERAL WATER, ther. use,
Guber mineral water in anemia, eff. on reticulocytes, hemoglobin content & number of erythrocytes, human & animal exper. (Ser))
(IRON, ther. use
iron-arsenical mineral water in anemia, eff. on SAME.))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIC, A.

MARIC, A. dr.

Experiences in therapy with natural arsenic and iron-containing Guber water. Med. glasn. 8 no.2:68-71 F '54.

1. Ljeciliste Guber, Srebrenica (sef lijecnik dr. A.Maric) i Institut za balneologiju i med. klimatologiju, Ilidza (sef doc. dr. M.Ciglar)

(MINERAL WATER
*Guber water, ther. use)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, Mihaly

Data on the formation of the heat transmission factor of aluminate lyes in case of lower caustic soda concentrations. Koh lap 91 no.12:534-536 D '58.

1. Femipari Kutato Intezet.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

Country : Hungary H-8
Catogory :

Abs. Jour. : 39218

Author : Magyarosy, E., Mariassy, M., and Perczel, A.
Institut. : Hungarian Academy of Sciences
Title : Investigation of the Causes of Al_2O_3 Losses During the Leaching of the Sinter in the Production of Alumina by the Bayer Process
Orig Pub. : Acta Tech Acad Sci Hung, 21, No 3-4, 275-289 (1958)

Abstract : The authors have made a theoretical analysis of the hydrolysis process and of the equations for the equilibrium constant and for the rate of reaction. A method has been developed for the determination of Al_2O_3 losses resulting from the hydrolysis of silicates. The kinetics of the reaction of aluminate solutions with the red mud after leaching when different production procedures are used have been investigated, and the effect of additions of various salts on the degree of hydrolysis of alkalis and on the magnitude of the Al_2O_3 losses has been determined. Numerical data are presented together with curves

Card: 1/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.

Data on the formation of the heat transmission coefficient of aluminate-caustic solutions in presence of lower caustic-soda concentrations. p.534

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet)
Budapest, Hungary
Vol. 13, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.; HORVATH, L.

Theoretical computation of heat requirement of aluminum production according to Bayer's process in presence of lower caustic-soda concentrations. p.529

KOHASZATI KAPOK. (Magyar Banyaszati es Kohaszati Egyesulet)
Budapest, Hungary
Vol. 13, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.; UVEGES, J.

Testing red muds in alumina factories by the DTG method. p.459

KOHASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet)
Budapest, Hungary
Vol. 13, no.10/11, Oct./Nov. 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.

Distr: 4E2c

Methods for the elimination of salt contaminants in the manufacture of alumina. Mihály Máriássy. *Kohászati Lapok* 90, 122–9(1957).—Studies were undertaken to develop a suitable and economical procedure for the removal of contaminants from the liquors of Al_2O_3 manuf. by the Bayer method from Hungarian bauxites. Carbonates and sulfates were removed from the concd. liquor by evapn. to 250 g. Na_2O/l. concn. followed by crystn. at 40°. The filtered liquor was cooled to 25° to obtain a residue rich in P_2O_5 and V_2O_5. If the bauxite has a high F content it may be economically sepd. by the cooling of the medium-concd. liquor. If org. compds. are present the method of removal has to be developed for each type of contaminant. L. G. Aryal

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARTASSY, M.

Comparative investigation of methods of separation of salt in alumina factories.
p. 126.
(MAGYAR KEMIAI LAPOK. Vol.12, no. 3, Mar. 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAI) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, Mihaly; H. Borsiczky, Veronika; SOMOGYI, Istvan

Questions of gas analysis in aluminum electrolysis. Koh lap 9 no. 9: 416-419 S '54.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.

4897* Determination of SiO_2 and CaF_2-Content of Cryolite Fluxes of Aluminum Electrolyzing Plants by Spectrochemical Analysis. A kriolit és más fluórtartalmú vegyületek kovasavés kalciumtartalmának meghatározása szinképelemzéssel. (Hungarian.) Mihály Máriássy, Veronika H. Borsiczky, and István Somogyi. Kohászati Lapok, 9, no. 6, June 1954, p. 267-270.

Satisfactory results obtained by two variations in the analytical procedure. Determination was reliable in the range of 1 to 8% of CaF_2. Spectrogram, photographs, graphs. 6 ref.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY, M.

HUNGARY/Chemical Technology - Chemical Products and Their Application, Mineral Salts. Oxides. Acids. Bases. I-6

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8791

Author : Mariassy, M. Borsiczky, H.V., and Somogyi, I.
Inst :
Title : On the Question of Foaming in Aluminate Solutions.

Orig Pub : Kohasz. lapok, 1954, 9, No 2, 73-75,

Abstract : Foaming in turbid alkaline aluminate solutions is caused by excessive amounts of organic additives (flour, starch), added to improve the precipitation of the red mud.

Card 1/1

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIASSY MIHALY

Processing problems of Nyirád bauxite. János Szekeres and Mihály Mariássy. *Aluminium* (Budapest) 2, 144-7 (1960); cf. C.A. 45, 2832g.—The amt. of bound water and the dehydration curve of Nyirád bauxite, contg. Al_2O_3 58.98, SiO_2 2.33, Fe_2O_3 24.63, TiO_2 3.20%, loss on ignition 12.94%, proved the presence of boehmite. Precalcination expts. at 110, 200, 300, 400, 460, 500, 550, 600, 650, and 700° resulted in a product showing loss on ignition of 12.94, 12.35, 10.88, 10.86, 10.50, 0.75, 2.39, 1.40, 0.98, and 0.73%, resp. Processing the products with the Bayer method gave a total output of Al_2O_3 of 88.2, 83.7, 77.4, 70.9, 79.8, 70.6, 88.8, 80.8, 86.0 and 90.6%, resp. Precalcination at high temps. seems to be advantageous, its use, however, is prevented by the slower sedimentation rates of red mud; the best results were obtained when applying precalcination temps. below 400°; utilizing the max. degree of sedimentation. Decompn. expts. in rotating steel tanks immersed in oil baths confirmed that processing at 6 atm. pressure for 4 hrs. at 160° was best from the point of view of heat economy. The red mud obtained in lab. expts. under such conditions contained Fe_2O_3 55.83 and Al_2O_3 13.76%; variation of NaOH concn. and of lime addn. was exaind. in further expts. with the result that practically no causticization can be reached when ores are processed with a lye contg. Na_2O (total) 237.1-280.4 g./l. and Na_2O (carbonate) 20.3-34.1 g./l. The addn. of 0.5-10.0% CaO slightly increased the Al_2O_3 output, the increase was 3% when using 0.5% CaO, higher CaO amts. gave no better results. When the processing period was diminished to 3 hrs., the Al_2O_3 output decreased slightly. The addn. of 0.5% CaO did not prevent the enrichment of lyes in P and V salts, about 10-25% of the total content of P and V compds. could be pptd., the remaining amt. was dissolved by the lye. The mech. properties of the red mud were considerably deteriorated by lime addn. Therefore, the addn. of CaO to the processing autoclaves is not recommended when working up Nyirád bauxite ores.

István Fi...

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21

Heat-transfer coefficients of low concentration caustic soda solutions in the Bayer alumina process. Mihály Máriássy (Fémipari Kutató Intézet, Budapest, Hung.). Kohászati Lapok 91, 534–6(1958).—The surface heat-transfer coeff. (α) is detd. by the rate of liquid flow (u m./sec.), the internal cross section/heat transfer area ratio (in tubular heat exchangers), the nature of flow (whether laminar or turbulent), and the phys. characteristics (viscosity, sp. heat, etc.) of the liquid at the respective temps. $\alpha = Cu^n d^{n-1}/\nu^{n-1}$, where C is a const. (not appreciably affected by temp. changes), ν is the kinetic viscosity (sq. m./sec.), d is the diam. of the tube (m.), n and x are 0.8 and 0.4, resp., for aluminate solns. contg. approx. 12% Na_2O. This indicates that, for a const. d and u, α is affected by the variations of ν at various temps. only. Tables for solns. of various Na_2O concns. and for various temps. are given.

L. G. Arvai

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

Examination of the red sludge (in alumina manufacture) by differential thermal analysis. József Ugrecs, and Mihály Mariássy. *Kohászati Lapok* 91, 160–66 (1958).—Differential thermal analysis (D.T.A.) curves were prepd. from the red sludge obtained from numerous batches of Hungarian bauxites processed for alumina by the Bayer method. Bauxites difficult to process (giving <85% of the theoretical yield) if consisting mainly of hydrargillite (I) were found to contain böhmite in the red sludge and if contg. small amts. of I only, practically all of the latter was present unchanged in the red sludge. Bauxites easy to process (>85% of the theoretical yield) contain principally natrolite in the red sludge. Natrolite shows a double endothermic decompn. peak at approx. 200° in the D.T.A. curve. Any kaolinite present in the bauxite was found to decomp. totally; this was verified by the absence of its characteristic peak at 950°. 21 references. L. G. Arvai

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

M

9

Spectrographic Determination of Iron, Silicon, Copper, Zinc [and Vanadium] in Aluminium. *Mihály Máriássy (Alumínium (Budapest), 1950, 2, (1), 8–11).* —[In Hungarian]. An extract is given from a paper by L. V. Druckaja of the Ural Aluminium Works and its results compared with those obtained by M. with methods as practised in the Hungarian Aluminium Company's works at Ajka. A short description of the spark generator and the spectrometer is given and the most suitable line pairs are listed. M.'s method for the quantitative determination of the V content of Al is published here for the first time. —E. B.

Sept. 1950

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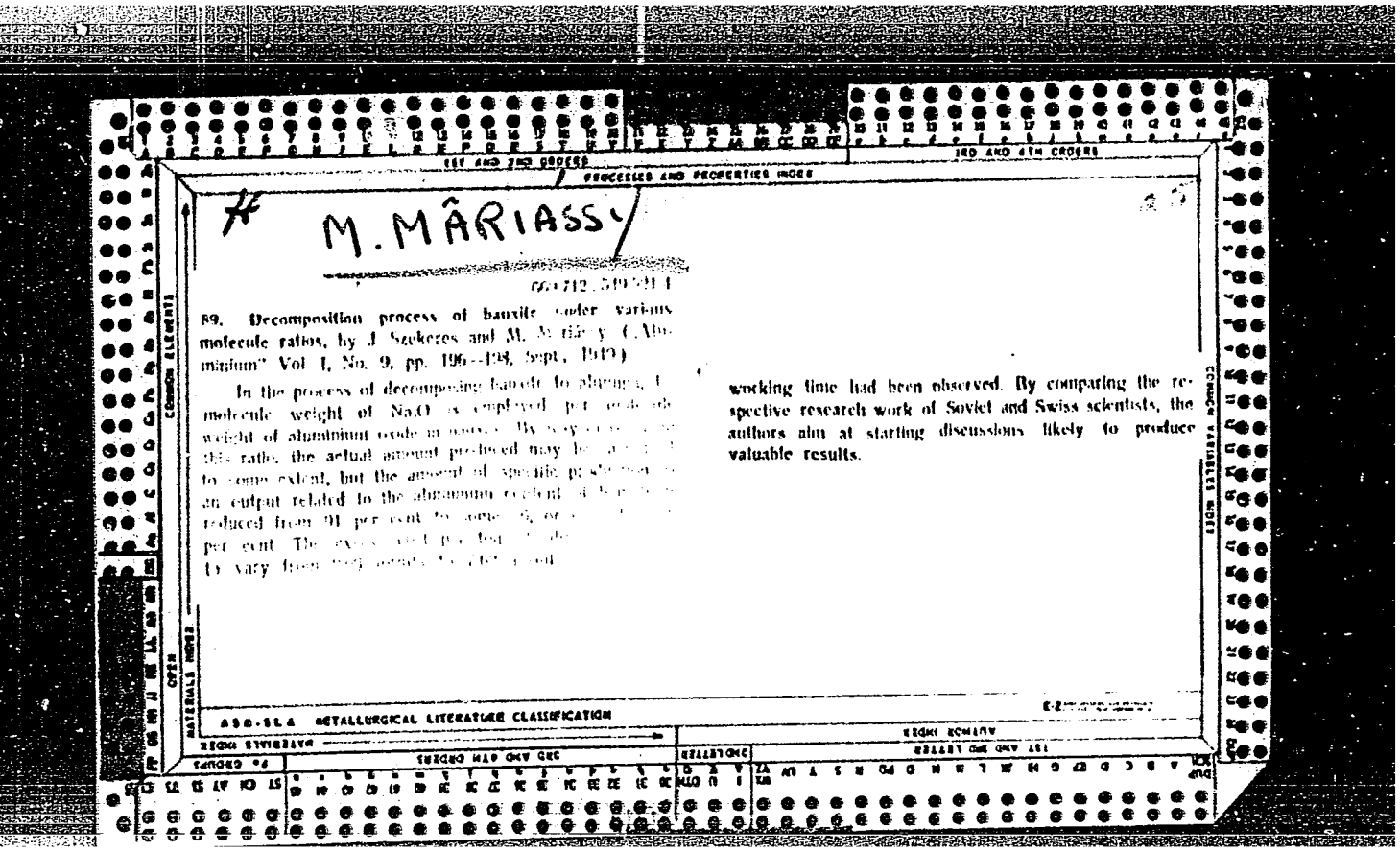

M. MÂRIASSY

89. **Decomposition process of bauxite under various molecule ratios**, by J. Szekeres and M. [illegible] ("Aluminium" Vol. I, No. 9, pp. 196–198, Sept., 1919)

In the process of decomposing bauxite to aluminate, [illegible] molecule weight of Na_2O is employed per [illegible] weight of aluminium oxide in [illegible]. By [illegible] this ratio, the actual amount produced may be [illegible] to some extent, but the amount of specific [illegible] an output related to the aluminium content [illegible] reduced from 91 per cent to some [illegible] per cent. The [illegible] to vary from [illegible]

working time had been observed. By comparing the respective research work of Soviet and Swiss scientists, the authors aim at starting discussions likely to produce valuable results.

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

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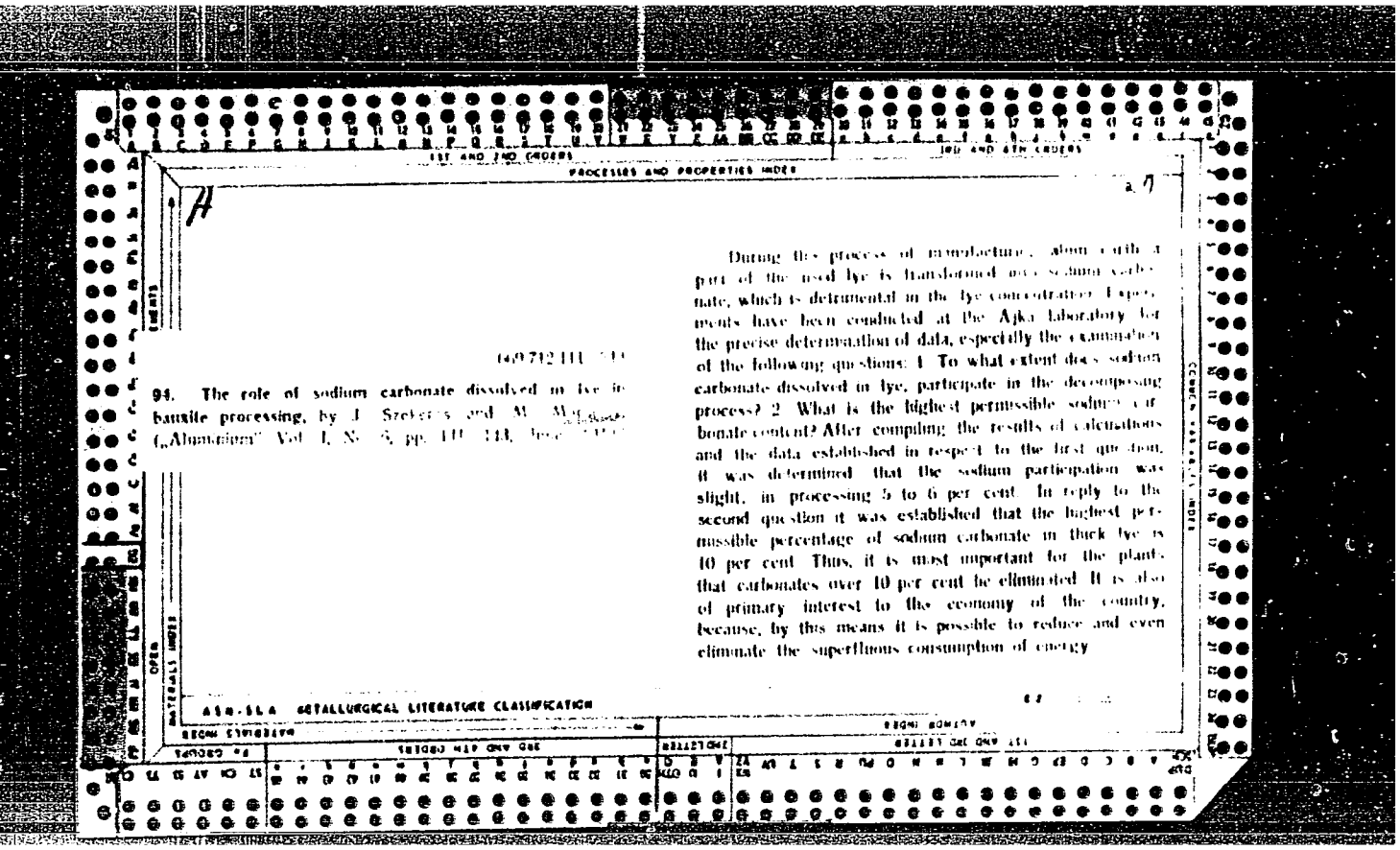

PROCESSES AND PROPERTIES INDEX

H

94. The role of sodium carbonate dissolved in lye in bauxite processing, by J. Szekeres and M. [illegible] („Aluminium" Vol. I, No. 5, pp. [illegible])

During the process of manufacture, along with a part of the used lye is transformed into sodium carbonate, which is detrimental in the lye concentrator. Experiments have been conducted at the Ajka laboratory for the precise determination of data, especially the examination of the following questions: 1. To what extent does sodium carbonate dissolved in lye, participate in the decomposing process? 2. What is the highest permissible sodium carbonate content? After compiling the results of calculations and the data established in respect to the first question, it was determined that the sodium participation was slight, in processing 5 to 6 per cent. In reply to the second question it was established that the highest permissible percentage of sodium carbonate in thick lye is 10 per cent. Thus, it is most important for the plant, that carbonates over 10 per cent be eliminated. It is also of primary interest to the economy of the country, because, by this means it is possible to reduce and even eliminate the superfluous consumption of energy.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAS, Z.

STEINER, S.; MARIAS, Z.

So-called primary atypical pneumonias of unknown etiology. Voj. san. pregl., Beogr. 14 no.5:261-267 May 57.

1. Interno odjeljenje Vojne bolnice u Zagrebu.
(PNEUMONIA,
primary atypical of unknown etiol. correlation of clin. manifest. to agglutinations tests (Ser))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAS, A.

On the problem of incomplete investments. Periodica polytechn eng 4 no.4:439-449 '60. (EEAI 10:6)

1. Department for Factory Management and Organization, Polytechnical University, Budapest.
(Hungary--Industrial management)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANYI, J.

Czechoslovakia

Bratislava, Lekársky Obzor, No 1, 1963, pp 1-2

"The Twelfth Congress of the Communist Party in Czechoslovakia."

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

PALEC, R.; MARIANYI, J.; SINKUKOVA, L.; STEPAN, J.

Concept of health protection of industrial workers. Cesk. zdravot. 6 no.9:471-483 Sept 58.
(INDUSTRIAL HYGIENE
health protection of indust. workers, concept (Cz))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANSKI, Stefan

The proper value of the title:technician. Przegl techn 85 no. 43:1,3 25 O '64.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

STERNADEL, Zbigniew; MARIANOWSKI, Longin; WOJCIK, Maria

Labor in obese women. Zdrow. publiczne no.4/5:171-176 Ap-My '65.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych AM w Warszawie (Kierownik: prof. dr. med. T. Bulski).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANOVICI, Gavro

Specialization and cooperation in the machine construction industry in the U.S.S.R. Constr mas 15 no.7: 508-512 Jl'63.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANOV, K.; IOVCHEV, B.

How to work to train the subdivisions best and how to report the competition and the progress of the excellent performances.

ARMEISKI PREGLED. (Ministerstvo na narodnata otbrana)
Sofiia, Bulgaria
Vol. 5, no. 6, 1958

Monthly List of East European Accessions (EEAL) LC, Vol. 9, No. 2.
Feb. 1960
Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

KUZNETSOV, K.K.; MITEYKO, A.I.; SHORIN, V.G.; MARIANI, E.B.; SEREZHNIKOV, O.S.

Selecting basic parameters for planning coal mines, by the operations research method. Ugol' 39 no.10:35-43 O '64.
(MIRA 17:12)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 18812-66 EWT(1)/EEC(k)-2/T/EWP(k) IJP(c) WG

ACC NR: AP5015927 SOURCE CODE: CZ/0055/65/015/006/0407/0411

AUTHOR: Kessler, A.; Mariani, E.

ORG: Institute of Physics, Slovak. Acad. Sci., Bratislava

TITLE: A study of Cole diagrams of some alkali halide relaxation maxima appearing at temperatures above 100C

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 15, no. 6, 1965, 407-411

TOPIC TAGS: alkali halide, crystal, ~~relaxation~~, dielectric loss, polarization, crystal surface

ABSTRACT: Relaxation maxima occuring at a frequency of 1 kc above 100C in pure LiF, KCl, NaCl and $CaCl_2$-doped NaCl were investigated and, the dependence of the relaxational loss angle as well as the respective dielectric constant on the sample thickness, was found and discussed. The measurements carried out disclosed that, in addition to the known properties (Kessler, A., Mariani, E. Czech. B14 (1964), 717) of the loss maxima under investigation, the dimensionless quantities $\tan \delta_{rel}$ and ε' depend on the thickness of the measured samples in LiF, NaCl and KCl crystals. This result confirms again, from another point of view, that the observed maxima cannot be caused by "dipoles". Assuming that some kin of interfacial polarization occurs on the surface of the crystals (e. g. due to blocking effects of the electrodes), this would explain, at least qualitatively, the main features of the observed maxima and their oddity, as compared with the properties of the maxima

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L 18812-66

ACC NR: AP5015927

caused by complexes of divalent admixtures and vacancies. This indicates that polarization might perhaps might be the cause of the observed relaxation maxima. The authors suggest the need of additional evidence for reaching more definite conclusions on this subject. Orig. art. has: 4 figures. [Based on author's abstract.]

SUB CODE: 20, 07/ SUBM DATE: 28Jul64/ OTH REF: 003/

Card 2/2

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

KESSLER, A.; MARIANI, E.; PAULINY-TOTHOVA, V.

The diffusion coefficient of zinc in NaCl crystals. Chekhosl fiz zhurnal 14 no.1:34-43 '64.

1. Institute of Physics, Slovak Academy of Sciences, Bratislava.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANEK, J.

"Refractory Products; A General Survey." p. 136 (Hutnik, Vol. 3, no. 6, June 1953, Praha).

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, February 1954, Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANASHVILI, Sh. M.; NANOBASHVILI, D.I.; RAZMADZE, Z.G.

Possiblity of transmutation alloying of indium andimonide. Fiz. tver. tela 7 no. 12:3566-3570 D '65 (MIRA 19:1)

1. Tbilisskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

On the Nature of the Field Function. 56-5-38/55

ther this special position of the electromagnetic field is recognized or the following concession is made:The present theory has not yet been able to find an adequate apparatus for expressing the particularities of the really existing wave fields by imposing additional conditions upon the field quantities of the fields standing in interaction.The first conclusion can not be accepted,because it does not provide for any way out of the dead end of the present mesonic theory.The second conclusion could serve as basis for an attempted generalization of the concept of the wave function. In other words,such conditions must be obtained which must be imposed on the relevant field functions in order to realize the one or the other interaction.Thus it would be possible to make the hypothetic presupposition that the field function of the wave field must be a hypercomplex number,in particular a quaternion.The paper under review outlines these lines of thought in somewhat greater detail.

(No reproductions).

ASSOCIATION Institute for Physics,Academy of Sciences of the Georgian SSR.
PRESENTED BY
SUBMITTED 5.11.1956
AVAILABLE Library of Congress.
Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANASHVILLI, M. M.

AUTHOR MARIANASHVILI, M.M., CHAVCHANIDZE, V.V., MAMALADZE, Yu.G., 56-5-38/55

TITLE On the Nature of the Field Function.
(O prirode polevoy funktsii -Russian)

PERIODICAL Zhurnal Eksperim.i Teoret.Fiziki, 1957, Vol 32, Nr 5, pp 1236-1237(USSR)

ABSTRACT The neutrality or the state of being charged of a given wave field, i.e. the neutrality or the state of being charged of the particles corresponding to it, are closely connected with the character of the field functions (be they real or complex). At the present stage of investigations it is not possible to determine from the form of the field functions, i.e. from their algebraic structure, whether a given wave function enters into interaction with any nonelectromagnetic field. Thus, at the present stage of theory, the fact of the existence of a nonelectromagnetic interaction between the given alternating fields does not impose any conditions on the character of the relevant field quantities. But in the interaction with the electromagnetic field there exists such a condition (i.e. the field function is then complex). The authors of the paper under review use as an example a spinor field that can be characterized by a four-component spinor. The interaction with a mesonic field is introduced (contrary to the interaction with the electromagnetic field) in such a way that no conditions are imposed on the field function of the spinor field (or of any other field). This, however, means that in present theory of the wave fields the electromagnetic field occupies a special position. From this fact two conclusions can be drawn: Ei-

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANASHVILI, M.M.

Formula for Brownian movement. M. M. Marianashvili. *Trudy Inst. Fiz., Akad. Nauk Gruz. S.S.R.* 1953, No. 1, 103–9; *Referat. Zhur., Fiz.* 1955, No. 8803.—The result is set forth as formulas for the mean square of displacement of Brownian particle mixts. for forward motion and rotary motion around a fixed axis by means of a detailed consideration of the mechanism of interaction of a particle with the surrounding medium. Known formulas are thus obtained with correct numerical coeffs. The relation between the viscosity coeff. and the microscopic values characterizing mols. of the medium is also established

Marjorie Ketner

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CZECHOSLOVAKIA

MARIANYI, J., MUDr

Head, Institute for the Further Education of Central Public Health Workers (Ustav pre dalskie vzdelavanie SZP [Strednych Zdravotnickych Pracovnikov]), Bratislava

Bratislava, Farmaceuticky obzor, No 10 [October] 1966, pp 1-2 (Supplement on Pharmaceutical Laboratory Technicians)

"Six years in the Institute for Further Education of Central Public Health Workers."

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

R

USSR/Diseases of Farm Animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69468.

Author : Marianashvili, D. A.
Inst : Georgian Zootechnical Veterinary Institute
Title : Anesthetization with Promedol [Chloral Hydrate 1,2,5-trimethyl-4-phenyl-4-propionoxypiperidine] in Sheep.

Orig Pub: Materialy 12-y Nauchn. konferentsii, posvyashch. 25-letiyu Gruz. zootekhn.-vet. in-ta, Tbilisi, 1957, 28-29.

Abstract: Promedol is introduced subcutaneously in a dose of 0.03-0.05 ml./kg. (8-10% solution). The anesthetization takes place after 15-20 min., and lasts 2.5-5 hours. When administered by this method and in the

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

KUZNETSOV, K.K.; MITEYKO, A.I.; MARIANI, E.B.; SEREZHNIKOV, O.S.

Determining efficient cross sections of a mine working network in the designing of coal mines using an electronic computer. Ugol' 39 no.12:44-50 D '64. (MIRA 18:2)

1. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po proyektirovaniyu i tekhniko-ekonomicheskim obosnovaniyam razvitiya ugol'noy promyshlennosti.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 17918-65

ACCESSION NR: AP4048327

an hour at 550C then quickly cooled. The temperature dependence of the dielectric loss was measured at 1000 cps. The frequency dependence of the dielectric loss was studied at various temperatures, including T_{max}. The temperatures of these maxima (T_{max}) shifted to lower temperatures (from 159 to 142C) with rising calcium content, but the magnitude of the maxima did not change with the concentration of impurities and remained unchanged even for the purest crystals. All the evidence indicated that the observed maxima were due to the relaxation loss of the crystal lattice. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Institute of Physics, Slovak Academy of Sciences, Bratislava

SUBMITTED: 27Jan64 NR REF SOV: 001 ENCL: 00

SUB CODE: SS OTHER: 006

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 17918-65 EWT(1)/EPA(s)-2/EEC(t) Pt-7/Pl-4 IJP(c) GG
ACCESSION NR: AP4048327 S/0055/64/014/010/0757/0764

AUTHOR: Kessler, A.; Mariani, E.

TITLE: Dielectric loss relaxation maxima of undoped and calcium-doped NaCl crystals between 20 and 400C

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 10, 1964, 757-764

TOPIC TAGS: dielectric loss, relaxation maxima, NaCl crystal, undoped, calcium doped, temperature dependence, frequency dependence

ABSTRACT: When investigating the dielectric losses of undoped and ... calcium-doped NaCl crystals, the authors found some previously undescribed maxima at 142 to 259C in addition to the well known relaxation maxima of calcium complexes at about 67C. The dielectric losses were measured on a loss angle bridge (Type 941/62 built by Messrs. Ulrich, 50 cps to 500,000 cps, tan $\delta = 10^{-5}$ to 1). The crystals were grown in a moisture-free nitrogen atmosphere by the Kyropoulos method. Samples were placed between nickel electrodes in a furnace with a nitrogen or argon atmosphere. Before measurements all samples were annealed for an h...

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 17576-65
ACCESSION NR: AP5000414

4

grown crystals. The authors express their appreciation to E. Rubinova and T. Siroka for performing zone melting, growing the crystals, and analyzing the admixture content very carefully. Orig. art. has: 2 figures.

ASSOCIATION: CSAV; Fyzikalny ustav Slovenskej akademie vied, Bratislava
(Institute of Physics, Slovak Academy of Sciences)

SUBMITTED: 05Mar64 ENCL: 00 SUB CODE: SS, EM

NO REF SOV: 000 OTHER: 003 ATD PRESS: 3152

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

L 17576-65 EWT(1)/EPA(s)-2/EWT(m)/EWP(t)/EWP(b) Pt-10/Pi-4 JD
ACCESSION NR: AP5000414 Z/0045/64/000/004/0317/0323

AUTHOR: Kessler, A. (Bratislava); Mariani, E. (Maryani, E.) (Bratislava) B

TITLE: Electric conductivity and dielectric loss of "pure" artificially grown and natural NaCl crystals

SOURCE: Matematicko-fyzikalny casopis, no. 4, 1964, 317-323

TOPIC TAGS: natural crystal, artificially grown crystal, crystal purity, natural salt crystal, artificially grown salt crystal

ABSTRACT: The d-c conductivity and the dielectric loss of pure artificially-grown and natural NaCl crystals with practically the same impurity content were measured and compared. In spite of the common impurity content, the crystals differed greatly in quality. The measurements showed that in the natural crystal only a minor part of the calcium content, apparently due to low solubility at room temperature, is built into the lattice, the rest most probably forms microcrystals of its own kind; however, in the artificially grown crystals the main part, if not the whole of the calcium content, is built into the lattice, that is, it is not in an equilibrium state. It also was established that calcium forms the main part of the admixtures and that its abundance is the same for both natural and artificially

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIANASHVILI, G.M.; KAVILADZE, M. Sh.; ABASHIDZE, I.V.; MACHARASHVILI, G.R.; PATEISHVILI, M.A.

Variation in the potassium isotope composition in plants. Soob. AN Gruz. SSR 34 no.3:565-568 Je '64 (MIRA 18:1)

1. Tbilisskiy gosudarstvennyy universitet. Submitted February 10, 1964.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Victor

The Bisterfeld manuscripts of astronomy. Pt. 2. Studia Univ B-B S. Math-Phys 8 no.1:133-142 '63.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Victor

The Bisterfeld astronomy manuscripts. Pt.1. Studia Univ B-B S. Math-Phys 7 no.2:113-122 '62.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Tatiana, chim.

Granulation of raw material, one of the factors which influence the utilization index of glass melting furnaces and the quality of glass. Industria usoara 10 no.7:301-303 Jl '63.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, T.
SURNAME, Given Names

Country: Rumania

Academic Degrees: -Engineer-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, Vol XIII, No 12, Dec 1961, pp 34-35.

Data: "Scientific Methods---Rich Harvests."

GPO 981643

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, T.

"Supplementary allowances in all sections of the collective farm Halchiu."

p. 8 (Drumul Belsugului) No. 8, Aug. 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, T.

"In the District of Cujmir in the midst of spring activities."

p. 20 (Drumul Bels ului) No. 5, May 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol 7, no. 4, April 1958

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

RUMANIA / Chemical Technology. Chemical Products and Their Application. Plastics. H-29

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2999.

Author : Marian, S.
Inst : Not given.
Title : The Production of Plasticizers in RNR /Rumanian People's Republic/.

Orig Pub: Tehn. noua, 1958, 5, No 151, 6.

Abstract: It was pointed out that an increase in the production of phthalic anhydride in RNR will permit to develop in the country a production of dibutyl phthalate, dioctyl sebacinate and butyl acetyl ricineoleate. -- L. Pesin.

Card 1/1

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

LETU, N., conf. ing; DARABANT, Alex.; MARIAN, P.

Comparative study on some drilling machines manufactured in Rumania and abroad. Rev min 12 no.7:297-303 Jl '61.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

ESANU,I.; MARIAN, N.; STOICUTA, M.

Comments on the treatment by iontophoresis of certain diseases of the anterior pole. Rumanina med. rev. 7 no.3:83-86 Ja-Mr'64

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APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Mia

Forceps facilitating the application of sutures on the oculomotor muscles in strabismus surgery. Klin.oczna 29 no.3:323-324 '59.
(STRABISMUS surg)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

BERETZK, P.; KEVE, A.; MARIAN, M.

Periodic changes in the population of the reed bunting in Hungary. Acta zool Hung 8 no.3/4:251-271 '62.

1. Ungarisches Ornithologisches Institut (Leiter: Dr.A. Vertse), und Ferenc Mora Museum, Szeged (Direktor: A. Balint).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Miklos; SZABO, Frigyes

Data on the biology of propagation of pond tortoise (Emys orbicularis L.). Allattani kozl 48 no.1/4:85-90 '61.

1. Mora Ferenc Muzeum, Szeged, es Magyar Nemzeti Muzeum, Termeszettudomanyi Muzeum, Budapest.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, M

Information on the conditions regarding the spreading of the common viper VIPERA b.
(Magyar Nemzeti Muzeum Termzettidomanyi Muzeum Evkonyve, Vol. 7, 1956, Budapeat, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 9, Sept. 1957. Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Ion Dumitru, Kand.tekhn.nauk

Investigating the performance of working parts on gathering arm loaders. Izv.vys.ucheb.zav.; gor.zhur. no.2:112-124 '59. (MIRA 13:4)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G.V.Plekhanova. Rekomendovana kafedroy rudnichnogo transporta.
(Materials handling--Equipment and supplies)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Ion Dumitru

Investigating the working parts of loaders with gathering arms. Nauch. dokl. vys. shkoly; gor. delo no.1:203-208 '59. (MIRA 12:5)

1.Predstavlena kafedroy rudnichenogo transporta Leningradskogo gornogo instituta im. G.V. Plekhanova.
(Mining machinery--Testing)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, I., ing., candidat in stiinte tehnice; ILIAS, N., ing.

Comparative study of the different cutter bits used on coal cutting machines and cutter loaders at the Jiu Valley mines. Rev min 15 no.9:449-455 S '64.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Ion, conf. ing. candidat in stiinte tehnice; CONSTANTINESCU, Ilie, conf. ing.

Method for determining the speed and acceleration trajectory of the arms of the execution parts of the loading machines with lateral fixing of materials. Metalurgia constr mas 13 no. 4: 299-306 Ap '61.

1. Institutul de Mine, Petrosani.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, Ion, conf., candidat in stiinte tehnice

Mechanization of the coal mining exploitation in Poland. Rev min 12 no.9:409-424 S '61.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

MARIAN, I.

How Party production control helped work at Ikarus. p. 21.
TOBBTERMELES. (Uzemi Tervgazdasagi es Szervezesi Tudomanyos Egyesulet)
Budapest.
Vol. 10, no. 5, May 1956.

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

RUMANIA / Chemical Technology, Chemical Products and Their Application. Synthetic Polymers. Plastics. H-29

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 17557

Author : Marian, I.
Inst : Not given
Title : Employment of Relon in the Manufacture of Articles by Pressing Method

Orig Pub : Tehn. noua, 1958, 5, No 151, 5

Abstract : A possibility of employing relon for the manufacture of gears, rings for the rotary machinery, roller bearings, covers for centrifuges employed in the sugar industry, small tanks for oil and solvents, valves, and electrical insulators, was considered. The basic properties of relon are presented: 1.09 - 1.14 specific gravity, 220 - 260° melting point, 100 - 200 kg/mm^2 modulus of elasticity, 4 - 10% yield, and limiting strength: 6 - 11 kg/mm^2 on

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5

RUMANIA

MARIAN, Dr. A.; ADAMESTEANU, Dr. C-TA; COTIGA, Physician Oct.; JIDUC, Angela; and MIHALACHE, Marie; Veterinary Regional Laboratory (Laboratorul veterinar regional,) Bucharest.

"Observations on Listerellosis in Various Animal Species in the Bucharest Region"

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No. 5, May 66; pp 65-69.

Abstract: [English summary modified]: Report of listerellosis (Listeria monocytogenes) in pigs and sheep, 1961 and 1962: Symptoms were predominantly those of the central nervous system affection, explainable by finding of abscesses only in the brain and in the medulla upon necropsy. In 9 foci of sheep, morbidity in the individual heards was 2-4%. There were no abortions. 1 Soviet and 7 Rumanian references.

1/1

May 66; ..

Abstract: Detailed mainly microbiological data on [illegible] (nasal mucosa) mycosis of horses, caused by Stachybotrys alternans. 3 photographs of sick animals. 7 photomicrographs; 2 Soviet and 4 Rumanian references.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001032310015-5